

Stainless Steel Lumiglas Luminaire USL33-UL/USL35-UL

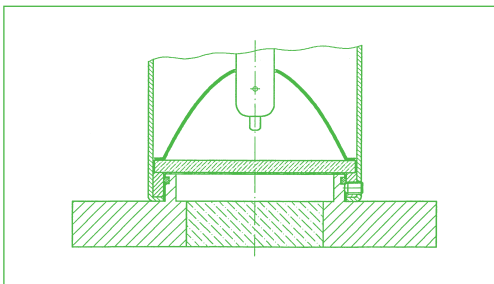
Data sheet 06.33-35 S

- part of the popular Lumiglas sightglass range
- for use with sightglass fittings

Lumiglas Sterile Technology sightglass luminaires are particularly suitable for use in sterile and aseptic conditions. Used ideally in combination with fused sightglasses (METAGLAS®) as also with the BioControl range (NEUMO). METAGLAS® works very well with clamp closures (META CLAMP®) as well as with NA-Connect™ range.

The following method of mounting the Lumiglas luminaires in sterile conditions have been optimized in practice:

- The luminaire fits over and is secured to a special circular male upstand on the cover flange of the sightglass. An O ring provides the seal to the sightglass.



- A popular alternative is to mount the lumiglas unit by means of an adapted clamp joint to DIN 32676/ISO 2852 standard. The tapered mating flange to the nozzle clamp flange comprises a specially machined ring with a sightglass fused concentrically into the metal and an upstand with an O ring groove on its outer surface. The extended and reinforced lip of the luminaire USL33/USL35 forms a sleeve which fits over the upstand, the O ring providing the seal to the clamp flange. Tightening the clamp then provides the closing pressure, sealing the fused METAGLAS® flange to the nozzle.

- **Miniaturised construction, high light output:** dazzle free illumination; suits circular sightglass fittings to DIN 28120/DIN 28121 or similar as well as screwed sightglass fittings equivalent to DIN 11851, METAGLAS® and BioControl fittings.

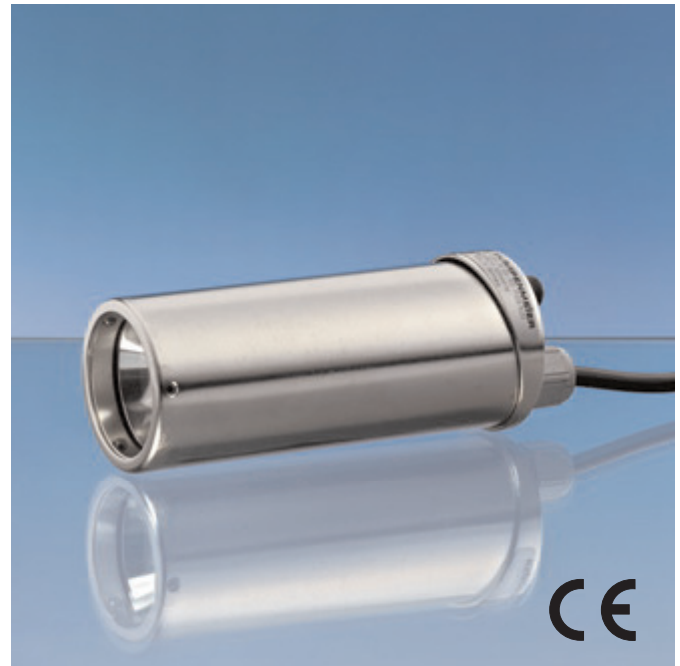
- **Suitable for sightglass fittings, dependent on style, from DN 25 upward:**

Item	sightglass fitting	Lumiglas luminaire	
		type USL33	type USL35
1	circular to DIN 28120	from DN 25...	from DN 40...
2	circular to DIN 28121	from DN 40...	from DN 40...
3	screwed sim. to DIN 1185	from DN 50	from DN 50...
4	flow indicator		

- **Application:**

Ideally suited for the illumination of internals of small vessels such as bio reactors, laboratory mixers, filters as well as the internals of pressure vessels, tanks, stirred reactors, separators, pipelines and other normally fully enclosed systems in non explosion hazardous areas.

Particularly suited for use in pharmaceutical, biochemical and food industries.



Stainless steel Lumiglas luminaire USL33-UL/USL35-UL



USL33-UL/USL35-UL mounted by means of clamp flanged joint on METAGLAS® style flow indicator

	USL33-UL	USL35-UL
outside dia. (mm)	53	70
inside dia. (mm)	43	60
voltage (V)	24, 120	24, 120
power (W)	20 or 50	20, 50 or 100

